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# Laser SLAM Counter Balanced Stacker Automatic Forklift

## SFL-CPD15-T



### Compatible with Various Pallets

Applicable both for 3-stinger pallet and field



#### Long Life Battery

Meeting various working requirements with overall battery life over than 10h



#### **Lifting** Height Up to 3M

Customized lifting height with the maximum support of 6m



#### Pallet Recognition

Recognition with higher accuracy for precise



#### 3D Obstacle Avoidance

360 full protection



Laser SLAM



Protection



Dispatching

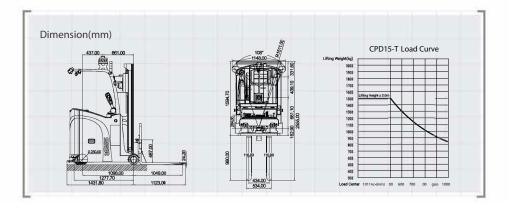












Productmodel	SFL-CPD15-T
Productname	Laser SLAM counterbalanced automatic <b>forklift</b>
Dynamicform	Electric
Drivingmode	Automatic navigation, car driving
Navigationtype	Laser SLAM
Tray type	3-stringerpallet/Fieldpalle
Rated load capacity	1500kg
Load centre distance	500mm
Wheelbase	1098mm
Dead weight (with battery)	2325kg
Navigationpositionaccuracy [1]	±10mm
Navigationangle accuracy [1]	±0.5"
Fork in-positionaccuracy [1]	±10mm
Standard lifting height	3300mm
Gantryheight	4208mm
Fork surface ground clearance (at the lowest position)	45±5mm
Navigationlaser scanning height	2300mm
Vehicle size: length* width* height	2555*1150*2326mm
Fork size: length* width* height	950*110*40mm
Fork outerwidth	460-750mm
Right-angle stacking channel width, pallet 1000x1200 (1200 placed across forks)	3600mm
Right-angle stacking channel width, pallet B00x1200 (1200 placed along the fork)	3500mm
Map Area (Single)	≤ 400000m <sup>2</sup>
Minimumturningradius	1710mm
Performance parameter	
Driving speed: full load/no load	1.2/1.5m/s
Lifting speed: full load/noload	95/120mm/s
Descent speed: full load/noload	120/85mm/s
Gantry movement speed: full load/no load	/mm/s
Passability (slope/step/gap)(2)	<5%/20mm/30mm
Drivemotorpower(S2, 60 min)	1.SkW
Lifting motorpower(S3, 15%)	3kW
Steering motorpower (S2, 10 min)	0.165kW
Service brakingmode	Electromagneticbrake
Drive control mode	Servo control
Wheel parameters	
Tyre type: drive wheel/support wheel	Polyurethane/Polyurethane
Tire size: drivingwheel	/mm
Tire size: bearingwheel	/mm
Tire size: Balance wheel	/mm
Wheel number: driving wheel (x= driving wheeQ/ bearing wheel	1X-2/2
(x= driving wheel) bearing wheel	

Battery parameters	
Battery specifications	24/270 (Lithium Iron Phosphate)
Battery weight	230kg
Comprehensive battery life	10h
Chargingtime (10%-80%)	2.5h
Chargingmethod	Manual/Automatic
Battery cycle number	>2000
Certifications	
ISO 3691-4	×
EMC/ESD	V
UN38.3	✓
RoHS	*
REACH	V
Function configurations	
Lidar number	1 (P+FR2000)+3 (OLEILR-1BS2)
Wi-Fi roamingfunction	· ·
3D obstacle avoidance(3)	0
Remote emergencystop [4)	0
Pallet recognition(3)	0
Cage stack (3)	0
Highshelf pallet recognition(3)	0
Pallet damage detection[3]	0
Pallet stacking and unstacking [5) O	
The HMI screen	¥
Fork toothdistance sensor	1
Cargo weightdetection	0
Safety configurations	
E-stop button	1
Sound and light indicator	V
Braking distance: 1m/s / 1.Sm/s	≤30 / ≤50cm
Vehicle hardwarefault detection	¥
360° laser protection	¥
Bumperstrip	J.
High safety protection of fork teeth	1
Others	
Network	4GI 5G / Wi-Fi 802.11 a/b/g/n/ac
Groundflatness	±5mm/m²
Scenario requirements	Onlysuitable for indoor, lightintensity ≤40 klx {IEC 61496-3), groundwithou water and oil and otherscenes
Ambienttemperatureand humidityrange	TEMP: 0-50 / RH: 10-90, no compression, no condensation
IP rating	IP20
Noise near driver'sear according to EN12053	s70B(A)